

**The Korean Intellectual Property Office (KR)  
Publication of Application (A)**

(51) Int.Cl.  
G06F 3/02

(11) Publication No	10-2001-0073483		
(43) Publication Date	2001-08-01		
(21) Application No	10-2000-0001894		
(22) Application Date	2000-01-15		
(74) Agent	Myeong-Seop Kim	(72) Inventor	Gwan-Hyeon Cho
(71) Applicant	Gwan-Hyeon Cho		

**▶ Examination Requested : Requested**

(54) EASY KOREAN KEYBOARD

## Abstract

## Machine Translation

## Human Translation

This invention has to set up the consonant key group and vowel key group in a keypad and press the consonant key or the vowel key according to the handwriting order of Hangul and collect the Korean alphabe The vowel key group comprises with the vowel ㅣ, ㅑ, ㅓ, ㅕ, ㅡ, ㅣ 6 vowel key. The other vowel ㅗ, ㅛ, ㅠ, ㅜ, ㅠ, ㅟ, ㅠ, ㅢ, etc are the simple Korean keyboard which this invention shows in the combination of 6 vowel key. It rapidly inputs Hangul in a handset.

### ► Representative Drawing(s)

Fig. 1

► **Keyword(s)**

The consonant key, the vowel key, and the good luck vowel combination.

### Description

► **Brief explanation of the drawing**

**3** Fig. 1 is an embodiment keyboard applying this invention Korean character keypad to the interactive pager

4 Fig. 2 is an embodiment keyboard applying this invention Korean character keypad to the portable terminal



### ► Details of the Invention

### ► Purpose of the Invention

**The Technical Field to which the Invention Belongs and the Prior Art in that Field**

- 5 This invention comprises as the vowel key only ㅏ, ㅑ, ㅓ, ㅕ, ㅗ, ㅛ 6 vowel key. Other vowels are the thing that the simple Korean character keypad which this invention shows in the combination of 6 vowel.
- 6 It meets the swift development of the communications technology and many research about the Korean character keypad proceeds. Particularly, the Korean character keypad which assembled all vowels of Hangeul to three key matchings "cheon · ji · in" in order to input Hangeul as the small keypad of the pocket telephone while the personal digital assistant was massively supplied was commercialized.
- 7 "Cheon · ji · in" As to the Korean character keypad, because of being the new Korean character keypad, it can be used with for computer standard Korean character keypad in the point which types all Hangeuls to the handwriting or inputted as the small terminal which is caught in the hand but one disadvantage the character input efficiency lower point in comparison with conventional 1 set of consonants and 1 set of vowels, and 3 suit equation star keyboard.
- 8 Portable communications terminals demand the Korean character keypad in which the character input efficiency rapidly can input the character information of the large amount is high in comparison with this.

### Technical challenges of the Invention

- 9 There can be a purpose the hangul hanson pluskey pad shown is provided as the other vowels is the combin. vowel it sets up in a keyboard as the vowel key corresponding to the consonant key only ㅏ, ㅑ, ㅓ, ㅕ, ㅗ, ㅛ; ㅓ key Hangul is rapidly inputted in a handset as this invention looked in the upper part.

### ► Structure & Operation of the Invention

- 10** This invention has to set up the consonant key group and vowel key group in a keypad and press the consonant key according to the handwriting order of Hangul and collect the Korean alphabet. The vowel key group comprises with the vowel keys ㅏ, ㅑ, ㅓ, ㅕ, ㅗ, ㅛ 6 vowel keys. The vowel key of the other vowel ㅜ, ㅠ, ㅡ, ㅣ, ㅖ, ㅘ, ㅙ, ㅚ, ㅜ, ㅠ, ㅡ, ㅣ etc is the simple Korean character keypad which this invention shows in the combination vowel key.
- 11** Fig. 1 is an embodiment applying this invention to the hand-held interactive pager having the character input as its main purpose. The terminal dial pad of Fig. 1 arranged the consonant key like the table 1 and number electro-mechanical control key in the left side and as shown in table 2, it arranged the vowel key and control key in the right side.

12 <Table 1>

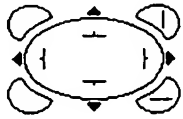
13

1. 표	2. 아	3. 거	지음
4. 추	5. 바	6. 나	변환
7. 코	8. 사	9. 드	
10. 에	0. 오	#. 르	빈칸

14 <Table 2>

15



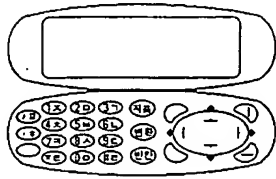


- 16 In Fig. 1 Hangeul letter a board, it tied the single consonant and a consonant assigned at the key with the Chinese character sick and figure was the double assignment in a part of the consonant key. The double consonant as the double consonant code when pressing a consonant with a twice.
- 17 In Fig. 1, as shown in table 2, the vowel key arranged the redundant array and vowel key — , and | arrange vowel ㅏ, ㅑ, ㅓ, ㅕ in top and bottom left and right direction key to the distinct key.

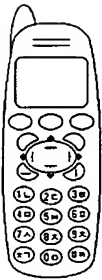




## DRAWINGS



● Fig. 1



● Fig. 2